MIL-R-2726/46A(SH)
3 July 1986
SUPERSEDING
MIL-P-2726/46(SHIPS)
30 June 1967

MILITARY SPECIFICATION SHEET

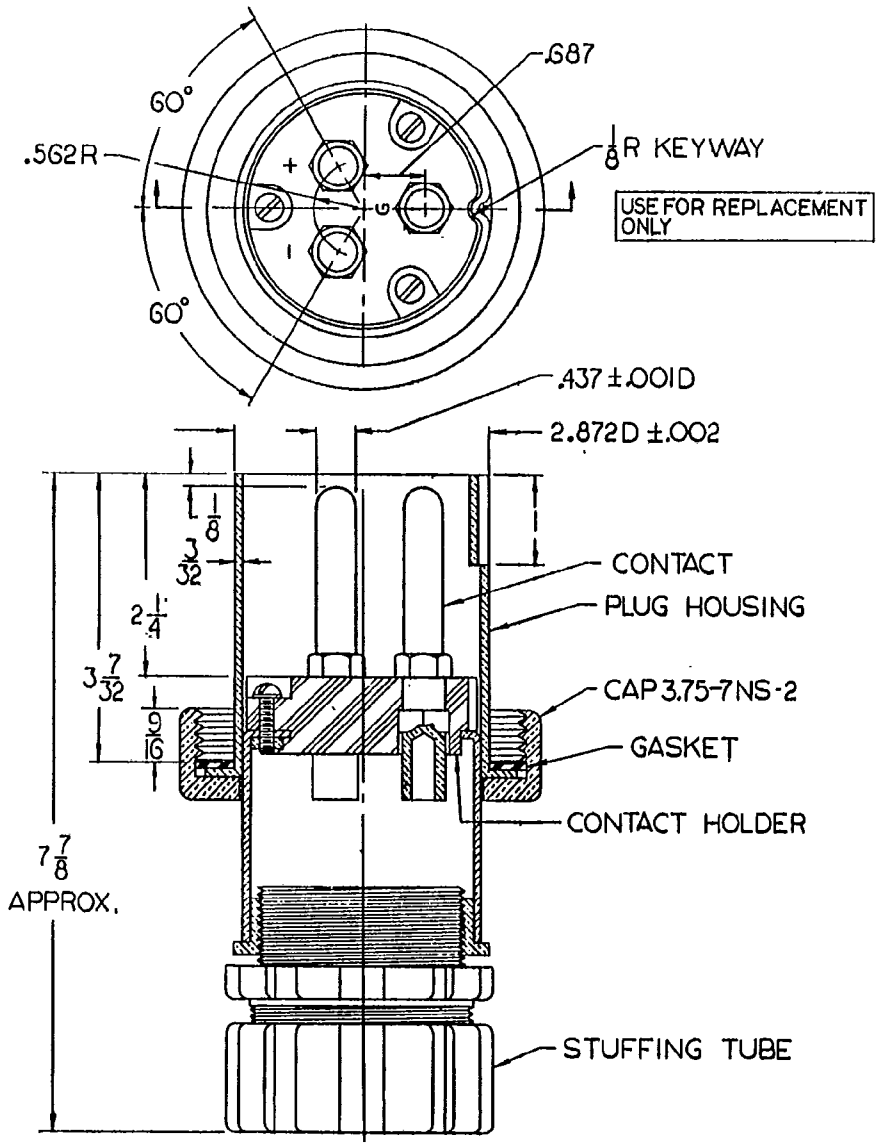
(A) RECEPTACLE, PLUG, ELECTRICAL, 100-AMPERE, 250-VOLT, DIRECT CURRENT, 3-POLE (SYMBOL NO. 721.1)

(A) This specification is approved for use within the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

(A) The requirements for acquiring the receptacle described herein shall consist of this specification and the latest issue of MIL-R-2726.

(A) denotes changes.

AMSC N/A FSC 5935



SH 9126

NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerances are ± 1/64 inch for fractions and ± 0.005 for decimals. Angular tolerance is ± 1/2 degree.
2. Supersedes: Drawing 9000-S6202-73965, symbol 721.

FIGURE 1. Dimensions and configuration.

REQUIREMENTS:

1. Dimensions and configuration: See figure 1.
(A) 2. Effectiveness of enclosure: Watertight in accordance with MIL-STD-108 when coupled with mating receptacle.
(A) 3. Material: Plug housing - brass; cap - brass; contact holder - type MAI-60 in accordance with MIL-M-14.
4. Strain relief: 40 pounds.
5. Contact hardness: Minimum of Rockwell 60B.
(A) 6. Stuffing tube in accordance with MIL-S-19622/3, part number shall be furnished with the plug.
7. Packing assembly: MIL-S-19622/21 part number M19622/21-003 (not furnished).
(A) 8. Mating receptacle: MIL-R-2726/23, part number M2726/23-001 (not furnished).
(A) 9. Test cable: MIL-C-24643 and MIL-C-24643/3 (not furnished).
(A) 10. Part number: M2726/46-001.
(A) 11. Electrical rating: 100-ampere, 250-volt, direct current.

(A) QUALITY ASSURANCE:

Quality assurance shall be as specified in MIL-R-2726 and table I herein. The first article and quality conformance inspections shall consist of the inspections as specified in table I, in the order shown.

TABLE I. First article and quality conformance inspection.

Inspection	Requirement	Test method	First article	Quality conformance
Examination	3.1, 3.3, 3.4, 3.5, 3.6 and 3.7	4.6.1	X	X
Insulation resistance	3.5.1	4.7.1	X	X
Dielectric withstanding voltage	3.5.2	4.7.2	X	X
Contact resistance	3.5.3.1	4.7.3.1	X	X
Endurance	3.5.5	4.7.5	X	
Salt spray	3.5.11	4.7.11	X	
Contact resistance	3.5.3.1	4.7.3.1	X	
Current load	3.5.12	4.7.12	X	
Vibration	3.5.9	4.7.9	X	
Shock	3.5.10	4.7.10	X	
Effectiveness of enclosure	3.5.4	4.7.4	X	X
Dielectric withstanding voltage	3.5.2	4.7.2	X	
Mechanical abuse	3.5.8	4.7.8	X	
Strain relief	3.5.7	4.7.7	X	
Rockwell hardness	3.5.14	4.7.14	X	

Preparing activity:
Navy - SH
(Project 5935-N255-47)